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PUBLISHED BY AUTHORITY

सं० 45]

नई दिल्ली, शनिवार, नवम्बर 9, 1974 (कार्तिक 18, 1896)

No. 45]

NEW DELHI, SATURDAY, NOVEMBER 9, 1974 (KARTIKA 18, 1896)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग—III—खण्ड 2

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 9th November 1974

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

3rd October 1974

2212/Cal/74. Sunkist Growers, Inc., Method and means for internal inspection and sorting of produce. [Addition to No. 134662].

2213/Cal/74. FMC Corporation. Process of regenerating a noble metal hydrogenation catalyst.

2214/Cal/74. Goodyear Aerospace Corporation. Cargo container.

2215/Cal/74. British Insulated Callender's Cables Limited. Electric cables. (October 2, 1973) U.K.

2216/Cal/74. Midland-Ross Corporation. Railway draft rigging.

2217/Cal/74. S. P. Mishra and V. K. Mishra & A. K. Mishra. Improvements in or relating to automatic transmission of power in bicycles. [Addition to No. 459].

4th October 1974

2218/Cal/74. M. Gulati. Device for measuring rail temperature.

2219/Cal/74. Dulux Australia Ltd. Polymer Bead Process. (October 4, 1973).

2220/Cal/74. Dulux Australia Ltd. Polymer process. (October 4, 1973).

2221/Cal/74. Sybron Corporation. Records scale arrangement.

2222/Cal/74. Sybron Corporation. Servomechanism or relay using fluid pressure.

2223/Cal/74. Evald Gottfried Schmidt. A method for producing cellulose pulp from peat for use as a raw material in paper making.

2224/Cal/74. Eastman Kodak Company. Bonding Composition.

2225/Cal/74. H. Smith. Process for preparing gona-4, 9-dien -3-ones. (May 10, 1973). [Divisional date May 6, 1964].

2226/Cal/74. Director General, Indian Council of Medical Research. A process for the preparation of crude human chorionic gonadotropin.

2227/Cal/74. Director General, Indian Council of Medical Research. A process for the preparation of human chorionic gonadotropin. [Addition to No. 2226/Cal/74].

2228/Cal/74. Director General, Indian Council of Medical Research. A reagent and a process of preparing the same.

2229/Cal/74. Director General, Indian Council of Medical Research. A suspension medium for suspending human chorionic gonadotropin.

2230/Cal/74. General Public Utilities Corporation. Communicating over power lines.

2231/Cal/74. The English Card Clothing Company Limited. Improvements in or relating to card-clothed elements. (October 4, 1973).

2232/Cal/74. The English Card Clothing Company Limited. Improvements in or relating to card clothing. (October 4, 1973).

5th October 1974

2233/Cal/74. Phyllis Joan Lane Zehr, Monita May Thorp Lank and Psych Lank. Accelerated neutral particles.

2234/Cal/74. Nuchem Plastics Limited. A process for the manufacture of urea formaldehyde resins.

2235/Cal/74. Bailey Meters & Controls Limited. Improvements relating to installations for monitoring oil content.

2236/Cal/74. Bailey Meters & Controls Limited. Improvements relating to mixing devices.

2237/Cal/74. Universal Oil Products Company. Hydrometallurgical recovery of metal values.

2238/Cal/74. Dunlop Limited. Improvements in or relating to road surfaces. (October 9, 1973). [Addition to No. 31/72].

2239/Cal/74. F. L. Smidth & Co. A/S, Tube Mill.

2240/Cal/74. Palitex Project-Company GMBH. Anti-Ballooning device for twisting machines.

7th October 1974

2241/Cal/74. S. L. Chawla, P. D. Grover and S. K. Dang. A new chromatographic techniques of alkali-chlorine cell gas analysis.

2242/Cal/74. S. L. Chawla. Design of thermal conductivity detector and relevant circuitry for a gas chromatograph.

2243/Cal/74. Dakshina Ranjan Chatterjee. Direct Reading Gravimeter for solids.

2244/Cal/74. Srimati Bishnupriya Panda. Device for hoisting a frame carrying a person or materials along a pillar through friction engagements.

2245/Cal/74. Bayer Aktiengesellschaft. A process for the production of 1, 5-dinitroanthraquinone and 1, 8-dinitroanthraquinone.

2246/Cal/74. The Board of the Rubber Research Institute of Malaysia. Treatment of rubber. (October 22, 1973).

2247/Cal/74. Sandoz Ltd. Improvements in or relating to organic compound. (October 9, 1973).

2248/Cal/74. Pennsylvania Engineering Corporation. A vessel for treating molten ferrous metal. [Divisional date July 29, 1972].

8th October 1974

2249/Cal/74. Swiss Aluminium Ltd. Electrolysis of Molten charges.

2250/Cal/74. Wavin B. V. Extruder drive. (March 7, 1974).

2251/Cal/74. Wavin B. V. A sealed pipe connection. (April 18, 1974).

2252/Cal/74. British Steel Corporation. Cooling of hot rolled steel stock. (October 17, 1973).

2253/Cal/74. Bunker Ramo Corporation. Multi-Contact connector.

2254/Cal/74. International Business Machines Corporation. Overcurrent sense circuit.

2255/Cal/74. McNeil Corporation. Apparatus to position a tire for curing. [Divisional date August 29, 1972].

2256/Cal/74. Werkzeugmaschinenfabrik Oerlikon-Bührle AG, Eddy-current brake.

2257/Cal/74. Nuchem Plastics Limited. A device for concentration of urea formaldehyde resins.

2258/Cal/74. The Director, All India Institute of Medical Sciences. Local medicine for Ichthyosis.

2259/Cal/74. Bhagat Engineering Co. Pvt. Ltd. A certain standardized module.

2260/Cal/74. Ceskoslovenska Akademie Ved. Novel analogs of deamino-vasopressin with a modified disulfide bridge and manufacturing process thereof.

9th October 1974

2261/Cal/74. Nuchem Plastics Limited. A process for the manufacture of sodium carboxyl alkyl starch.

2262/Cal/74. Siemens Aktiengesellschaft. Improvements in or relating to oscillator control circuits. (July 9, 1974).

2263/Cal/74. Siemens Aktiengesellschaft. Improvements in or relating to oscillator control circuits. (July 9, 1974).

2264/Cal/74. Siemens Aktiengesellschaft. Improvements in or relating to piezoelectric resonators. (August 8, 1974).

2265/Cal/74. American Home Products Corporation. A process for the preparation of penicillin or a 2-amino-derivative. (February 7, 1969). [Divisional date October 10, 1969].

2266/Cal/74. American Home Products Corporation. A process for the preparation of a 2-amino-penicillin. (February 7, 1969). [Divisional date October 10, 1969].

2267/Cal/74. The Metal Box Company Limited. Containers. (October 9, 1973).

2268/Cal/74. Pilkington Brothers Limited. Improvements relating to fibre reinforced composite materials. (October 22, 1973).

2269/Cal/74. Nitto Shoji Kabushiki Kaisha. A Gilling Machine.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE (MADRAS BRANCH)

25th September 1974

149/Mas/74. N. Mohan Kumar. Star-circuited starters (direct-on-line and star-delta) for 3 phase A. C. squirrel-cage induction motors.

26th September 1974

150/Mas/74. Eddy Gopalkrishna Rao. A calculator.

27th September 1974

151/Mas/74. Dr. V. Venkatuchalam. Air-turbine of the Rotor Type.

152/Mas/74. K. Rajarajan and Manjit Singh Puri. Low torque positive high reduction mechanism.

30th September 1974

153/Mas/74. Asgar Shakoor Patel. A salt and pepper caster.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be applied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F_{iii}.

84679.

PROCESS FOR PREPARING UNSATURATED STEROID COMPOUNDS.

HERCHEL SMITH, OF 500 CHESTNUT LANE, WAYNE, DELAWARE COUNTY, PENNSYLVANIA, UNITED STATES OF AMERICA.

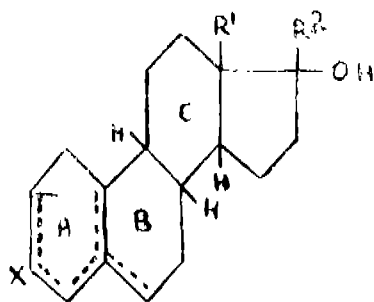
Application No. 84679 filed October 19, 1962.

Convention date October 19, 1961/(37617/61) (U.K.).

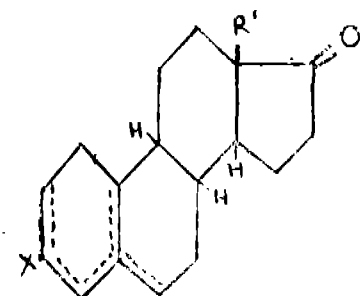
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

15 Claims

A process for preparing a steroid compound of structure (I)



wherein R¹ is a saturated alkyl group having at least 2 carbon atoms, R² is an alkyl group *trans* or *R*¹, the substituents at the tertiary carbon atoms in ring C are in the *trans-anti-trans* configuration, the group X contains an organic radical linked to ring A by a hetero atom, unsaturation is present in ring A or ring B at one or more of the positions shown, and the group X and the unsaturation form an arrangement of atoms such that acid hydrolysis can convert it to a 4, 5-ethylenic 3-ketone, in which a corresponding compound of structure (II),



as alkylated by reaction with an organometallic compound containing the Group R²

CLASS 32F_{iii}.

84680.

PROCESS FOR PREPARING 1, 4-DIHYDRO-AROMATIC STEROID COMPOUNDS.

HERCHEL SMITH, OF 500 CHESTNUT LANE, WAYNE, DELAWARE COUNTY, PENNSYLVANIA, UNITED STATES OF AMERICA.

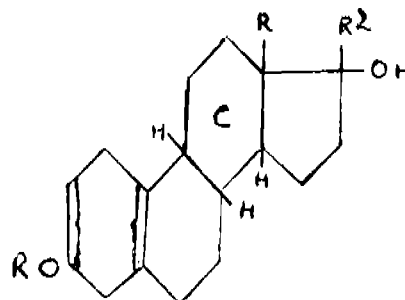
Application No. 84680 filed October 19, 1962.

Convention date October 19, 1961/(37617/61) (U.K.).

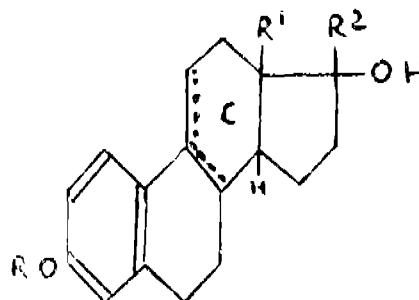
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

12 Claims.

A process for preparing a steroid ether of structure (I).



where R is an alkyl group of the kind whose linkage to the oxygen atom is stable to the action of an alkali metal in liquid ammonia, R¹ is a saturated alkyl group having at least 2 carbon atoms, R² is a saturated alkyl group *trans* to R¹, and the substituents at the tertiary carbon atoms in ring C are in the *trans-anti-trans* configuration, in which a compound of structure (II)



where R and R¹ are as above and R² is a saturated or unsaturated alkyl group, ring C is saturated or contains an ethylenic bond terminating at the 9-position, the C : D ring junction is in the *trans* configuration, any hydrogen atom at the 8-position is *anti* to the hydrogen atom H at the 14-position, and any hydrogen atom at the 9-position is *trans* to the hydrogen atom at the 8-position, is reduced by means of an alkali or alkaline earth metal in the presence of liquid ammonia with addition of one hydrogen atom at each of the carbon atoms at the 1- and 4-positions and saturation of any ethylenic bond in ring C to give a *trans-anti-trans* arrangement of the substituents at the tertiary carbon atoms in ring C.

CLASS 32F_{iii}.

84681.

PROCESS FOR PREPARING STEROID KETONES RELATED TO 19-NORTESTOSTERONE.

HERCHEL SMITH, OF 500 CHESTNUT LANE, WAYNE, DELAWARE COUNTY, PENNSYLVANIA, UNITED STATES OF AMERICA.

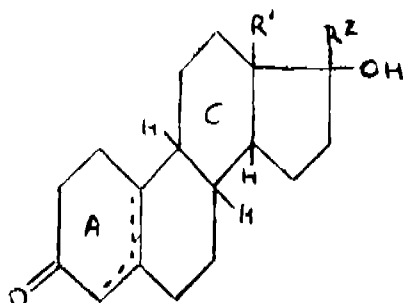
Application No. 84681 filed October 19, 1962.

Convention date October 19, 1961/(37618/61)/(U.K.).

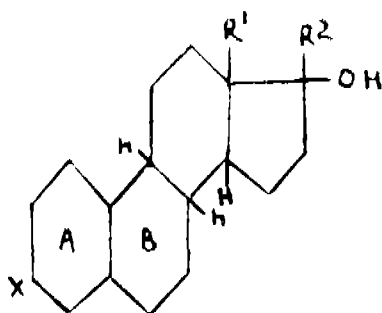
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A process for preparing a steroid ketone having the structure I



where R¹ is a saturated alkyl group having at least 2 carbon atoms, R² is an alkyl group *trans* to R¹, the substituents at the tertiary carbon atoms in ring C are in the *trans-anti-trans* configuration, and ring A contains an ethylenic bond terminating at the 5-position, in which there is hydrolysed in the presence of an acid or base as appropriate a corresponding compound of structure II,



where the group X in conjunction with unsaturation in ring A and/or ring B is a protected oxo-group which is hydrolysable by acid to a 4, 5-ethylenic 3-ketone.

CLASS 32F_{6d}.

84682.

PROCESS FOR PREPARING UNSATURATED STEROID KETONES.

HERCHEL SMITH, OF 500 CHESTNUT LANE, WAYNE, DELAWARE COUNTY, PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 84682 filed October 19, 1962.

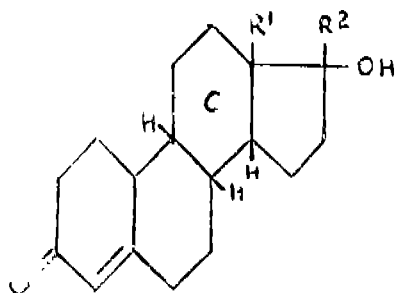
Convention date October 19, 1961 (37618/61) U.K.

Addition to No. 84681.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

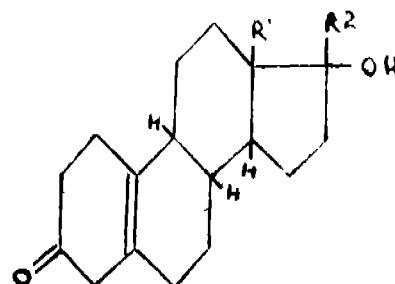
7 Claims.

A process for preparing a steroid ketone having the structure.



wherein R¹ is a saturated alkyl group having at least 2 carbon atoms, R² is an alkyl group *trans* to R¹, and the substituents at the tertiary carbon in ring C are in the *trans-anti-trans*

configuration, in which a corresponding compound of structure.



is isomerised, by treatment with an acid or base.

CLASS 32F_{6d}.

84683.

PROCESS FOR PREPARING 17-ALKYL STEROID KETONES RELATED TO 19-NORTESTOSTERONE.

HERCHEL SMITH, OF 500 CHESTNUT LANE, WAYNE, DELAWARE COUNTY, PENNSYLVANIA, UNITED STATES OF AMERICA.

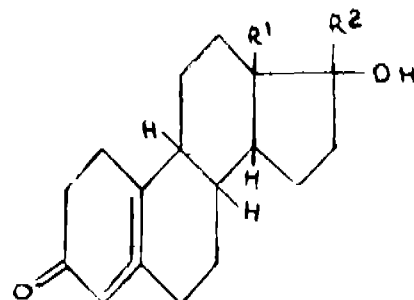
Application No. 84683 filed October 19, 1962.

Convention date October 19, 1961 (37618/61) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A process for preparing a steroid ketone having the structure.



where R¹ is a saturated alkyl group having at least 2 carbon atoms, R² is an alkyl group *trans* to R¹, the substituents at the tertiary carbon atoms in ring C are in the *trans-anti-trans* configuration, and ring A contains an ethylenic bond terminating at the 5-position, in which a corresponding compound where R² has a greater degree of unsaturation is selectively reduced by catalytic hydrogenation.

CLASS 32F_{3d}.

84684.

PROCESS FOR PREPARING UNSATURATED 17-ALKYL STEROID KETONES.

HERCHEL SMITH, OF 500 CHESTNUT LANE, WAYNE, DELAWARE COUNTY, PENNSYLVANIA, UNITED STATES OF AMERICA.

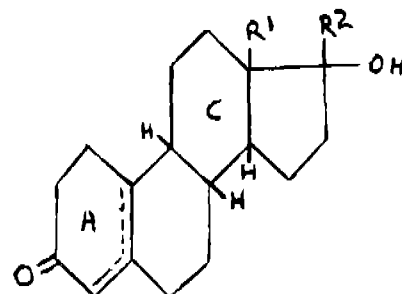
Application No. 84684 filed October 19, 1962.

Convention date October 19, 1961 (37618/61) U.K.

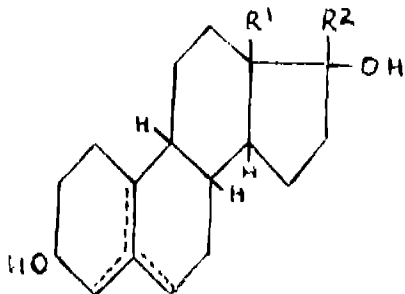
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A process for preparing a steroid ketone having the structure.



where R^1 is a saturated alkyl group having at least 2 carbon atoms, R^2 is an alkyl group *trans* to R^1 , the substituents at the tertiary carbon atoms in ring C are in the *trans-anti-trans* configuration, and ring A contains an ethylenic bond terminating at the 5-position, in which a corresponding compound of structure,



having an ethylenic bond terminating at the 5-position is oxidised in known manner.

CLASS 32F_{2a}. 85126.

PROCESS FOR THE PRODUCTION OF N-(2, 3-DIMETHYLPHENYL) ANTHRANILIC ACID AND ITS SALTS.

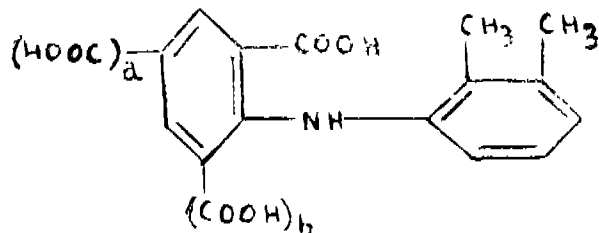
PARKE, DAVIS & COMPANY, AT JOSEPH CAMPAU AVENUE AT THE RIVER, DETROIT, MICHIGAN, UNITED STATES OF AMERICA.

Application No. 85126 filed November 15, 1962.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Process for producing N-(2, 3-dimethylphenyl)-anthranilic acid and salts thereof characterized in that a polycarboxylic acid of the formula



where a and b are 0 or 1, at least of said a and b being 1; or a mono carboxylate salt thereof is selectively decarboxylated by the action of heat.

CLASS 32F₃+F_{3a}. 87733.

PROCESS FOR PREPARING ARYL N-SUBSTITUTED THIONOCARBAMATES.

NIPPON SODAKABUSHIKI KAISHA, OF NO. 4, 2-CHOME, OTE-MACHI, CHIYODA-KU, TOKYO, JAPAN.

Application No. 87733 filed May 2, 1963.

Appropriate office for opposition proceedings (Rules 4, Patents Rules 1972) Patent Office, Calcutta.

4 Claims.

The process for preparation of aryl N-substituted thionocarbamates of the general formula : $Ar_1-N-C(=S)-O-Ar_2$



by the condensation of N-substituted thiocarbamoyl chloride of the structural formula $Ar_1-N-C(=S)-Cl$



and a hydroxyl compound of the formula $HO-Ar_2$ (wherein Ar_1 and Ar_2 are naphthyl or phenyl radicals un-substituted or substituted with a substituent selected from a group consisting of halogen, alkyl having 1 to 3 carbon atoms, alkoxy having 1 to 3 carbon atoms, thiocyno, nitro dimethylamino, alkoxy carbonyl having 2 to 4 carbon atoms, and hydroxyl groups, one of Ar_1 and Ar_2 means a naphthyl group un-substituted or substituted with a halogen atom, and R is a n-alkyl or n-alkenyl radical containing less than 13 carbon atoms).

CLASS 32F_{2b}.

90561.

PROCESS FOR THE PREPARATION OF IMIDAZOLE DERIVATIVES.

MAY & BAKER LIMITED, OF DAGENHAM, ESSEX, ENGLAND.

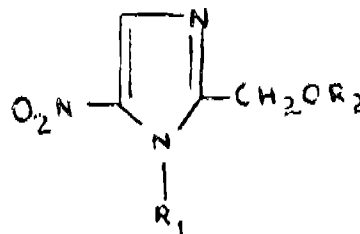
Application No. 90561 filed October 31, 1963.

Convention date November 1, 1962 (41455/62) U.K.

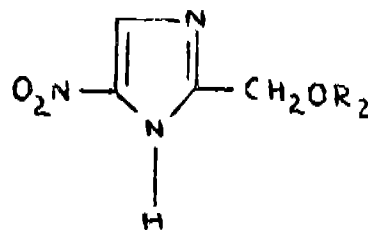
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Process for the preparation of imidazole derivatives of the formula shown in Fig.



(wherein R_1 represents an alkyl group containing up to 6 carbon atoms, and R_2 represents a hydrogen atom or an alkanoyl group containing up to 6 carbon atoms) which comprises N-alkylating an imidazole of the formula shown in Fig.



by reaction with an alkyl ester of the formula R_1X_2 wherein X represents the acid residue of a reactive ester, and R_1 and R_2 are as herein before defined, and optionally converting by methods known *per se* the imidazole derivative thus obtained into an acid addition salt.

CLASS 32F_{2b}.

93428.

PROCESS FOR THE PRODUCTION OF NEW THIAMINE DERIVATIVES.

TAKEDA CHEMICAL INDUSTRIES, LIMITED, OF JAPAN, OF 27, DOSHOMACHI 2-CHOME, HIGASHI-KU, OSAKA, JAPAN.

Application No. 93428 filed April 22, 1964.

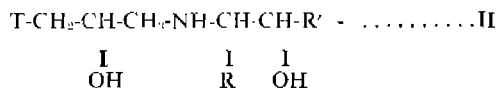
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Addition to 102909.

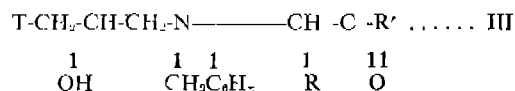
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A process for the preparation of compounds of the general formula II



wherein T stand for a 1,3 or 3,7 dialkyl xanthinyl-(7 or 1) radical, R stands for a hydrogen atom or a lower alkyl group having 1 to 6 carbon atoms, preferably 1 to 2 carbon atoms and R' stands for a hydroxyl aryl radical or their acid addition salts comprising reducing in a known way compounds of the general formula III



where T, R and R' are as defined before and if desired converting said compound into optically active forms in a way known per se through the salts of optically active acids.

CLASS 32F₁+F_{2a}.

107244.

A PROCESS FOR THE PREPARATION OF ISOTHIOCYANATES OF BIOLOGICAL INTEREST.

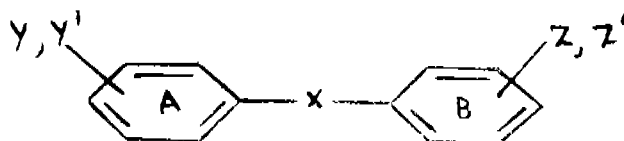
COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

Application No. 107244 filed September 29, 1966.

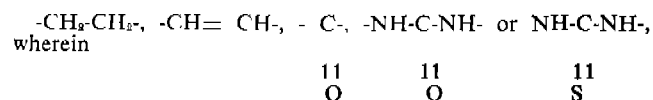
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

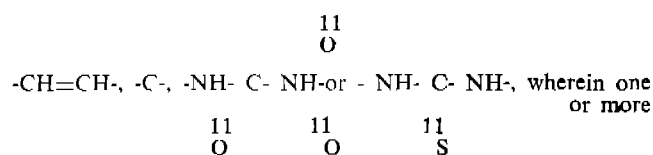
A process for the preparation of isothiocyanates of the general formula as shown in Fig.



wherein X = $-\text{S}-$, $-\text{S}-\text{S}-$, $-\text{S}-$, SO_2 , $-\text{O}-\text{CH}_2-$, $-\text{CH}_2-\text{CH}_2-$, $-\text{CH}=\text{CH}-$, $-\text{C}-$, $-\text{NH}-\text{C}-\text{NH}-$ or $\text{NH}-\text{C}-\text{NH}-$, wherein



one or more substituents Y and Y' of the benzene ring A and Z and Z' of the benzene ring B are isothiocyanate moieties, preferably though not essentially in the 4-position and wherein the other substituents of the benzene rings A and B are different, the same or similar atoms or groups like hydrogen, or alkoxy group like methoxy or ethoxy, or alkyl like methyl, or halogen like chlorine, or nitro, or alkylamino, or dialkylamino, or acylamino, group which comprises reacting thiophosgene dissolved in solvents like benzene, chloroform, carbon tetrachloride, dichloroethane, diethylether or dioxan with aqueous hydrochloric acid solutions of mines of the general formula shown in Fig. 1 of the accompanying drawing, wherein X = $-\text{S}-$, $-\text{S}-\text{S}-$, $-\text{S}-$, SO_2 , $-\text{O}-\text{CH}_2-$, $-\text{CH}_2-\text{CH}_2-$, $-\text{CH}=\text{CH}-$, $-\text{C}-$, $-\text{NH}-\text{C}-\text{NH}-$ or $\text{NH}-\text{C}-\text{NH}-$, wherein one or more



substituents, Y and Y' of the benzene ring A and Z and Z' of the benzene ring B are amino groups, preferably though not essentially in the 4-position and wherein the other substituents in the benzene rings A and Z are different, the same or similar atoms or groups like hydrogen, or alkoxy group like methoxy, or ethoxy, or alkyl like methyl, or halogen like chlorine, or nitro or alkylamino, or dialkylamino, or acylamino group.

CLASS 32F₁+F_{2a}.

108367.

PROCESS FOR THE MANUFACTURE OF BENZHE-
THEROCYCLIC COMPOUNDS.

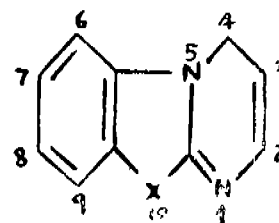
CIBA OF INDIA LIMITED, OF AAREY ROAD, GORE-
GAON EAST, BOMBAY 62, MAHARASHTRA STATE,
INDIA. AN INDIAN SUBSIDIARY OF THE SWISS COM-
PANY CIBA LIMITED, BASLE, SWITZERLAND.

Application No. 108367 filed December 9, 1968.

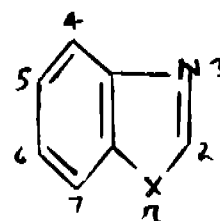
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

23 Claims.

A process for the manufacture of benzheterocyclic com-
pounds having the nucleus of the formula.



the provisional specification No. 108367, wherein X represents an oxygen or preferably a sulfur atom and which compounds carry in the 3-position a free or functionally converted carboxyl group or an acyl group and in the 4-position an oxo, thiono or imino group their oxides or salts wherein benzheterocyclic compounds having the nucleus of the formula.



the provisional specification No. 108367 in which the 2-position is substituted by an optionally substituted ethenylamino group the-β carbon of the ethenyl chain carrying a reactive functionally converted carboxyl group and a free or functionally converted carboxyl group or an acyl group, and X stands for oxygen or preferably sulfur, or tautomers thereof are cyclized by methods known per se, and the compounds of the aforesaid formula 1 are converted to their oxides or salts by methods known per se.

CLASS 32C & 55F.

114896.

A PROCESS FOR PRODUCING GRISEOFULVIN.

LENINGRADSKY NAUCHO-ISSLEDOVATEISKY INS-
TITUT ANTIBIOTIKOY, PROSPEKT OGORODNIKOV,
23, LENINGRAD, USSR, AND RIZHSKY ZAVOD MED-
PREPARATOV, RIGA, ULITS A MOSKOVSKAYA, 70/72,
USSR.

Application No. 114896 filed March 8, 1968.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

3 Claims. No drawings.

A process for producing griseofulvin comprising the submerged aerobic fermentation of griseofulvin producing strains in a culture media containing sources of carbon and nitrogen wherein said strain is 2514 of penicillium nigricans Thom and said strain is characterized in that on solidified Czapek's medium on the 10th day of growth at a temperature of 22–24°C it forms white fluffy colonies 2.7–3.0 cm in diameter with even margin, during sporulation light beige in colour, reverse yellowish pink, conidia oval, 1.5–2.0 in size with slender spicules, conidiophores smooth, metulae asymmetric, and after fermentation over a period of 200 hours on a glucose-lactose medium with maize extract contains 2,500–3,250 g/ml of said antibiotic.

CLASS 32F₂₆.

115991.

NEW PROCESS FOR PREPARING RIFAMYCINS.

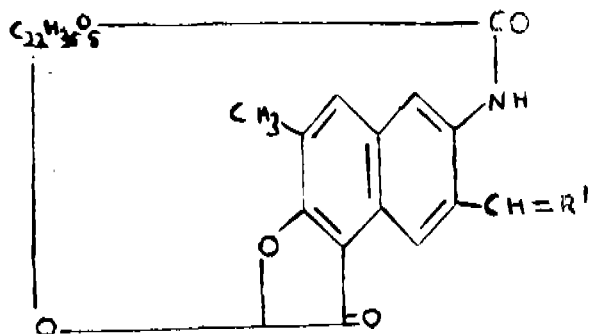
LEPETIT S.P.A. GRUPPO PER LA RICERCA SCIENTIFICA E LA PRODUZIONE CHIMICA FARMACEUTICA. OF 8, VIA ROBERTO LEPETIT-MILAN - ITALY.

Application No. 115991 filed May 20, 1968.

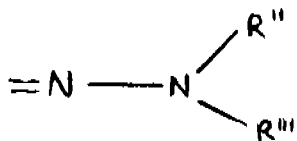
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

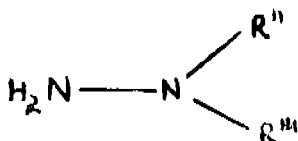
A process for preparing a 3, formyl-rifamycin SV derivative of the formula as shown in Fig.



wherein R' is a hydrazono or substituted hydrazono radical of the formula shown in Fig.



wherein R'' and R''' are independently selected from hydrogen, lower alkyl, or taken together represent a 5 to 7 membered heterocyclic ring which may also contain another hetero atom selected from N, O and S, which comprises contacting a compound selected from rifamycins S and SV with 1–4 equimolecular amounts of an agent selected from (a) formaldehyde and a primary aliphatic amine having from 4 to 8 carbon atoms and (b) the aldimino derivative of formaldehyde and a primary amine in equimolecular amounts, in the presence of an excess of the same primary aliphatic amine in a solvent at a temperature comprising room temperature and the boiling temperature of the solvent, in the presence of an oxidizing agent for a period of time from 3 to 72 hours, dissolving the obtained crude product in an inert organic solvent and treating the crude product with about 2 equimolecular amounts of a substituted or unsubstituted hydrazine of the formula shown in Fig.



wherein R'' and R''' have the same meaning as b e.

CLASS 32F₂₆+F₂₇.

117903.

PSEUDOMERIZATION OF SAPOGENINS.

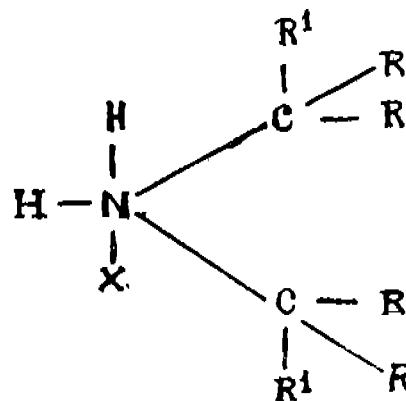
THE UPJOHN COMPANY, OF 301 HENRIETTA STREET, KALAMAZOO, MICHIGAN, UNITED STATES OF AMERICA.

Application No. 117903 filed October 4, 1968.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

In the method of pseudomerization wherein a sapogenin is converted to the corresponding pseudo sapogenin by heating with a carboxylic acid anhydride in the presence of an amine hydrohalide catalyst, the improvement which comprises using as an amine hydro-halide catalyst a substance of the structural formula shown in Fig.



wherein R¹ is H or R and R is a lower alkyl group from 1 to 5 carbon atoms, and wherein the parametric R's attached to either one of the carbon atoms shown in the formula can be joined to each other in an isocyclic ring, and X is a halogen.

CLASS 32F₂₆, & 55E₄.

121321.

PROCESS FOR THE PREPARATION OF BENZOXAZOL-2-YL N-METHYL-N-NAPHTH-1-YLDITHIO-CARBAMATES.

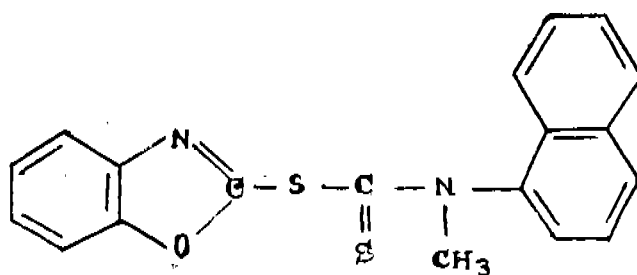
DR. KARL THOMAS GmbH, OF BIBERACH AN DER RISS, FEDERAL REPUBLIC OF GERMANY.

Application No. 121321 filed May 14, 1969.

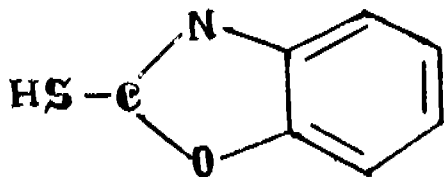
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office.

7 Claims.

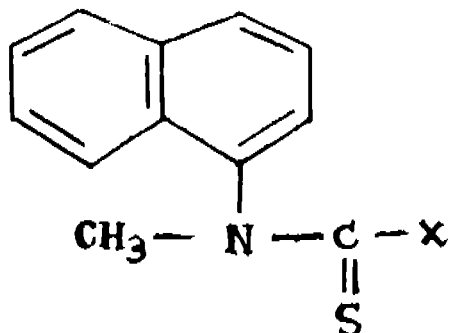
A process for the preparation of benzoxazol-2-yl N-methyl-N-naphth-1-yleithiocarbamate of formula I



wherein a salt of 2-mercaptobenzoxazole of formula II



is reacted with an N-methyl-N-naphth-1-ylthiocarbamoyl halide of formula III



(wherein X represents a halogen atom).

CLASS 32F₁+F₂₀.

123087.

PROCESS FOR THE PREPARATION OF 2-AMIDO-6-AMINOPENICILLANIC ACID.

AMERICAN HOME PRODUCTS CORPORATION, OF 685 THIRD AVENUE, NEW YORK-17, NEW YORK, UNITED STATES OF AMERICA.

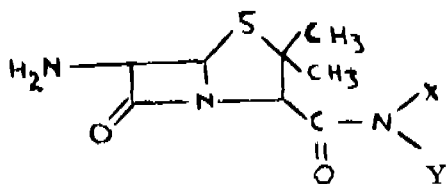
Application No. 123087 filed September 9, 1969.

Convention date September 17, 1968 (44184/68) U.K.

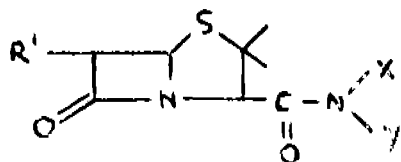
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A process for the preparation of a 2-amido-6-aminopenicillanic acid of general formula.



wherein X is an electron withdrawing group, Y is an electron withdrawing group or X and Y are joined together to form an electron withdrawing cyclic group or an acid addition salt thereof; in which a 2-aminopenicillin of general formula.



wherein R₁ is a penicillin amide group and X and Y are as defined above. is reacted in a reaction inert aprotic solvent with a phosphorus pentahalide in the presence of a base to afford a corresponding 2-amido 6-alkoxyimido penicillanic acid which in turn is hydrolysed with water to afford a 2-amino-6-aminopenicillanic acid mydrohalide which, if desired is neutralised.

CLASS 32F₁+F₂₀.

124020.

PREPARATION OF POLAR-SUBSTITUTED PHENYL PROPANOLAMINES.

PFIZER CORPORATION, OF CALLE 151, AVENIDA SANTA ISABEL, COLON, REPUBLIC OF PANAMA, AND A COMMERCIAL ESTABLISHMENT AT 102 RUE LEON THEODOR, JETTE, BRUSSELS 9, BELGIUM,

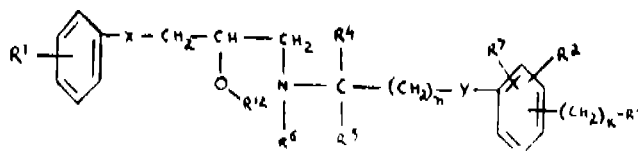
Application No. 124020 filed November 13, 1969.

Convention date November 18, 1968 (54534/68) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

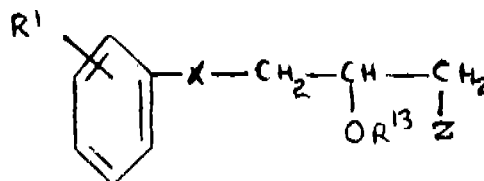
1 Claim.

A process for the preparation of compounds of the formula.

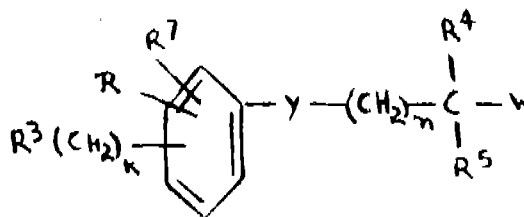


and the pharmaceutically acceptable acid addition salt thereof wherein R₁ is hydrogen, halogen, lower alkyl; R₂ and R₇ are the same or different and are hydrogen, halogen, lower alkyl, or lower alkoxy; R₃ is an electron-withdrawing polar substituent and is carboxy, lower alkoxy-carbonyl, formyl, lower alkanoyl, sulfo, sulfinio, lower alkoxy-sulfonyl, lower alkoxy-sulfinyl, cyano, azido, nitro, trifluoromethyl, CONR⁹, R¹⁰SO₂NR⁹R¹⁰, CONHNR⁹R¹⁰, and SO₂NHNR⁹R¹⁰, where R⁹ and R¹⁰ are each hydrogen, lower alkyl, or phenyl, or when taken together with the nitrogen atom to which they are attached complete a hetero-cyclic group selected from the group consisting of pyrrolidino, piperidino, piperazino, or morpholino; R₄ and R₅ are the same or different and are hydrogen or lower alkyl; R₆ is hydrogen, lower alkyl, lower alkanoyl or benzyl when R₁₂ is hydrogen, X is oxygen or sulfur; Y is oxygen, sulfur, sulfinyl sulfonyl, methylene or N(R¹¹O wherein R¹¹ is hydrogen or lower alkyl; n is from 0 to 3; wherein Y is methylene and is 1 to 3 wherein Y is other than methylene and K is from 0 to 2; characterized by

(a) reacting a compound of the formula.



with a compound of the formula.



wherein R₁, R₂, R₃, R₄, R₅, R₇, X, Y, K and n are as defined above wherein when R₁₃ is hydrogen when Z is halogen or C₆H₅, SO₂O- or O-CH₂-C₆H₅, SO₂, SO₂-O-, or R₁₃ and Z when taken together form a single bond, W is -NHR⁶ wherein R⁶ is hydrogen, or wherein when W is -6 Z is W as defined above, and when Z is also -NH₂ when R₁₃ is hydrogen then W and R₅, when taken together, form a carbonyl oxygen (=O), resulting in a Schill base which is subsequently reduced, and preparing the pharmaceutically acceptable salts thereof in a manner known *per se*.

CLASS 126B & 131C.

134451.

APPARATUS FOR SEISMIC EXPLORATION.

SOCIÉTÉ NATIONALE DES PÉTROLES D'AQUITAINE
TOUR AQUITAINE, OF 92 COURBEVOIE, FRANCE.

Application No. 134451 filed February 1, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Apparatus for seismic exploration comprising at least two emission sources disposed in one and the same reference plane, and at least one receiver, wherein the sources emit waves at different instants into the medium to be explored, in picking up the signals reflected on at least one reflector on at least one receiver device, the instants of emission of the different emitted waves are recorded, and processing means of the received signals to determine the different travel time of the reflected waves, characterized by each of the emission source is operated in continuous manner so that two consecutive waves of said emission source being separated by a time interval at least equal to the outward and return travel time of the longest wave propagated in the medium to be explored whereas the time intervals separating two consecutive wave emissions each produced by one of the said emission sources are less than said travel time of the waves propagated in the medium, and so that the instants of emission defined by the emission programme are such that by correlation of the sequence of the instants of emission of all the sources with the sequence of the instants of emission of at least one of the said emission sources there is obtained, within the time defined by the said outward and return travel time of the longest wave propagated in the medium to be explored, a function the ratio of the amplitude of the maximum peak over the amplitude of each secondary residue of which is greater than the ratio of the amplitudes of the signals received in the time intervals corresponding to the given time intervals separating the maximum peak from each of the secondary residues.

CLASS 32E, 48C & 144E.

134570.

IMPROVED POLYESTER WIRE ENAMELS FROM POLYESTER SCRAP.

DR. BECK & CO. (INDIA) LIMITED, OF GATEWAY BUILDING, APOLLO BUNDER, BOMBAY-1, MAHARASHTRA, INDIA.

Application No. 134570 filed February 10, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

10 Claims. No drawings.

Process for the preparation of improved terephthalic polyester wire enamel with improved properties comprising inter-esterification of high molecular weight linear terephthalic polyester in the form of waste or fibre, film or cloth with polyhydroxy compounds having at least 3 OH groups, with or without glycols using a transesterification catalyst and an acidic catalyst.

CLASS 32E, 48C & 144E.

134571.

PROCESS FOR THE PRODUCTION OF IMPROVED POLYESTERIMIDE RESINS FROM POLYESTER WASTE OR SCRAP.

DR. BECK & CO. (INDIA) LIMITED, OF GATEWAY BUILDING, APOLLO BUNDER, BOMBAY-1, MAHARASHTRA, INDIA.

Application No. 134571, filed February 10, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims. No drawings.

Process for the production of improved polyesterimide resins comprising transesterification of polyethylene glycol terephthalate waste with trihydroxy or higher hydroxy compound and one or more dihydroxy compounds and further treating with a diimidodicarboxylic acid.

CLASS 32E.

134635.

PROCESS FOR THE MANUFACTURE OF POLYMERS.

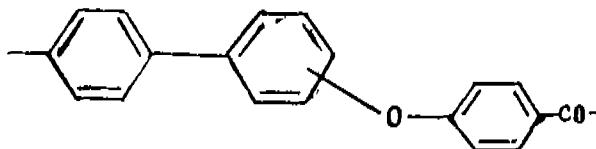
RAYCHEM CORPORATION, OF 300 CONSTITUTION DRIVE, MENLO PARK, CALIFORNIA 94025, UNITED STATES OF AMERICA.

Application No. 134635 filed February 16, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A process for the manufacture of polymer having repeating units of the structure shown in Fig.



which comprises polymerizing a monomer or monomers under Friedel-Crafts acylation conditions to yield a polymer having repeating units as specified in Fig. 2 of the drawings.

CLASS 155B+F.

134864.

PROCESS FOR IMPROVING THE FLAME-RESIST PROPERTIES OF POLYAMIDE FIBRES.

I.W.S. NOMINEE COMPANY LIMITED, OF WOOL HOUSE, CARLTON GARDENS, LONDON, SW 1Y 5AE, ENGLAND.

Application No. 134864 filed March 7, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims. No drawings.

A process for improving the flame-resist properties of natural and/or synthetic polyamide fibres which comprises applying to the fibres in a known manner such as herein described an anionic complex of zirconium with an organic chelating agent such as herein described or with fluoride ions.

CLASS 34A & 136E.

135044.

TUBULAR FILM BLOWN PROCESS FOR THERMOPLASTIC MATERIALS HAVING HOT TACK.

HEINRICH PANNENBECKER, OF 53 BONN-HOLZLAR, BERGSTRASSE 23, FEDERAL REPUBLIC OF GERMANY AND RUDOLF PLATE, OF 53 BONN-IPENDORF, QUELLENWEG 6, FEDERAL REPUBLIC OF GERMANY.

Application No. 135044 filed March 24, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A tubular film blown process for thermoplastic materials which are hot tacky and which are incapable of being independently processed by the blown film process due to the tack they shown in hot state and especially in the as extruded state to form film and sheet by the blown film process which comprises extruding expanding and solidifying in a manner known *per se* an at least two-ply tubular film or sheet of thermoplastic material, the inner ply being formed by a tack-free thermoplastic material such as herein described, and the outer ply superposed thereon being formed by the hot-tacky thermoplastic material such as herein described; slitting the double-ply tubing for storage and after flattening at least at one edge, and arranging the film web, preferably with winding-up, together with the web of tack-free material in such a manner that one web having hot tack alternates with one tack-free web.

CLASS 205H.

135053.

IMPROVEMENTS IN AND RELATING TO PNEUMATIC TYRES.

ERIC FREDERICK BAXTER, OF 1 CRAVEN HILL GRADENS, LONDON, W. 2, ENGLAND.

Application No. 135053 filed March 25, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

29 Claims.

A pneumatic tyre comprising a pair of bead wires, a carcass of parallel cord fabric, a parallel cord breaker or breakers, a tyre tread, a visual wear indicating means throughout at least three quarters of the axial width of the tread over the entire circumference of the tyre, at a depth of 1 mm. or approximately 1 mm., in the tread, measured from the innermost radial point of the tread.

CLASS 32-C.

135178.

PROCESS FOR OBTAINING HIGHLY POLYMERISED DESOXY RIBONUCLEIC ACIDS.

REPHAMAC A. G., OF BRUNNERNSTRASSE 15, 8869-NIEDERURNEN, SWITZERLAND.

Application No. 135178 filed April 5, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

Process for obtaining highly polymerised desoxyribonucleic acids from living substances such as fish milt, previously freed from lipides and subjected to a treatment by an alkali salt, characterised by the fact that there is employed as protein-eliminating agent, for liberating the DNA, phenol in aqueous solution, the quantity of phenol being sufficient to ensure that the mass containing the nucleo-protein material in suspension is saturated with phenol, plus a slight excess.

CLASS 40F.

135187.

APPARATUS FOR MIXING AND FORWARDING A FLOWABLE MATERIAL.

THE FIRESTONE TIRE & RUBBER COMPANY, OF 1200 FIRESTONE-PARKWAY, AKRON, STATE OF OHIO 44317, UNITED STATES OF AMERICA.

Application No. 135187 filed April 6, 1972.

Addition to No. 129495.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

An apparatus for mixing and forwarding a flowable material comprising: a carrier arranged to rotate about an axis, one end of which axis will hereinafter be designated the "reference" end; and a plurality of discs disposed along the axis of said carrier and secured to said carrier to rotate therewith, the center of each disc being substantially at said axis, each of said discs being inclined away from normality to said axis, so that one point, hereinafter designated the "trailing point" on the periphery of each disc is closer than any other point on the that disc to the reference end of said axis; the trailing points of the successive discs being disposed along a helicoidal line substantially coaxial with said axis said carrier comprising two stub-shafts, one at each end of said carrier and disposed coaxially of each other, and a cage structure embracing said discs, attached to said stub-shafts and also attached to said discs near the peripheries thereof; the improvement wherein said discs are annular discs.

CLASS 128-C.

135295.

IMPROVED ARTIFICIAL DENTURES AND METHOD OF MAKING SAME.

SIDNEY SCHNEIDER, OF 576 SUSSEX AVENUE, MORRISTOWN, NEW JERSEY, UNITED STATES OF AMERICA, AND HARRY SELIG KATZ, OF 785 PLEASANT VALLEY WAY, WEST ORANGE, NEW JERSEY, UNITED STATES OF AMERICA.

Application No. 135295 filed April 17, 1972.

Convention date April 19, 1971 (21711/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

38 Claims.

A dental assembly for the *in situ* formation of a denture in a patient's mouth, comprising a former, contoured substantially to correspond to the shape of a denture and provided with a gum receiving portion, two layers of curable denture-forming material such as herein described located over the former and a shim such as herein described intermediate said two layers in that portion at least thereof located over the gum receiving portion of the former.

CLASS 80-A.

136291.

A CONTRIVANCE FOR HANGING LIGHT ARTICLES ON A LINE.

ADI BEHRAM IRANI, OF BOMAN MERWAN BUILDING, OPPOSITE GRANT ROAD RAILWAY STATION, BOMBAY-7, STATE OF MAHARASHTRA, INDIA.

Application No. 786/72 filed July 6, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

A contrivance to hang light-weight articles, like clothes, consisting of two members, each adapted to be housed in a plastic cover and to be fixed to wall supports, one member being provided with a metallic hook affixed to a metal plate and the other member being mechanism comprising a spring-loaded reel mounted freely on a pivot rising from a platform on a seat plate, the flange of the reel nearer the seat plate being provided with notches in predetermined positions adapted to engage the free end of the an obstructing leaf spring fixed to the seat plate when the leaf spring is brought into position by a lever, the other flange of the reel being adapted to hold the line securely, the line being wound on the cylindrical surface of the reel in the direction opposite to that of the tension in the spring and the free end of the line coming out of the second member from under a guide.

CLASS 33E.+F.

136292.

AN IMPROVED METHOD OF AND APPARATUS FOR FORMING A SAND MOULD FOR USE IN THE MANUFACTURE OF A CAST IRON PIPE.

GLYNWED FOUNDRIES LIMITED, OF OXFORD STREET, BILSTON, STAFFORDSHIRE, WV14 7DS, ENGLAND.

Application No. 316/Cul/73, filed February 13, 1973.

Convention date February 14, 1972 (6710/72) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A method of forming a sand mould for use in the manufacture of a pipe, including the steps of locating one end of a cylindrical flask against a sand blow head, moving a plate carrying a first socket forming sleeve and compacting ring so that the plate locates against the other end of the flask, feeding a cylindrical mandrel having an oversized head through an aperture in the plate until the head enters a second socket forming sleeve mounted on the blow head, blowing sand into the space so formed between the flask and mandrel, compact-

ing the sand at each end of the flask by longitudinal movement of the compacting ring and second socket forming sleeve within the flask and withdrawing the mandrel so that the head thereof compacts and smoothes the inner wall of the sand.

CLASS 67A. 136293.

WARNING CIRCUITS.

C. A. V. LIMITED, OF WELL STREET, BIRMINGHAM 19, ENGLAND.

Application No. 444/72 filed June 7, 1972.

Convention date June 9, 1971 (1957/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A warning circuit for a lamp which in use, is connected to an intermittent source of electric supply the circuit comprising a combination a resistor connected in series with said lamp and the intermittent source of electric supply, switch means for sensing the voltage developed across said resistor during the "on" period of said supply, an electro-magnetic relay, said switch means switching on to energise said relay when the voltage developed across said resistor falls below a predetermined value during an "on" period of said supply, a pair of relay contacts forming part of said relay, said relay contacts when said relay is energised maintaining current, flow through said resistor from the further source of supply during the "of" periods of said first mentioned supply and warning lamp for providing an indication of the operation of the relay.

CLASS 56A. 136294.

A NON SCALING DISTILLATION COLUMN COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 264/72 filed May 22, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A nonscaling distillation column, comprising a vertical tubular column with an assembly of a plurality of slanting discs, and doughnuts, mounted alternately over tie rods and spacers whereby vapor-liquid contacting is achieved by means of liquid curtains formed at the discs by the flow of the down coming liquid, and rubber gaskets are provided on the periphery of the doughnuts to provide a tight vapour seal against the column wall whereby the vapour is diverted towards the liquid curtain and dislodges the scales formed on the discs and doughnuts.

CLASS 63A & 63B. 136295.

ROTORS FOR SYNCHRONOUS DYNAMOELECTRIC MACHINES.

WESTINGHOUSE ELECTRIC CORPORATION, UNITED STATES OF AMERICA, OF PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 750/72 filed July 4, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A dynamoelectric machine having a stator member and a rotor member, said stator member having longitudinal slots for the reception of armature windings, said rotor member being a cylindrical member having longitudinal teeth forming slots for reception of a distributed field winding, said rotor slots being disposed on opposite sides of unslotted pole face regions to receive concentric coils of said field winding, characterized in that the first slot on the trailing side of each pole face is displaced from a symmetrical position toward the center of the pole face such that the width of the first tooth on the trailing side is not less than twice the minimum slot pitch of the remaining slots.

CLASS 34A.

136296.

DECOMPOSABLE POLYOLEFIN AGRICULTURAL MULCH.

TEXACO DEVELOPMENT CORPORATION, OF 135 EAST 42ND STREET, NEW YORK, NEW YORK 10017, U.S.A.

Application No. 1636/72 filed October 11, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims. No drawing.

An agricultural mulch comprising a polyolefin film having incorporated therein at least one additive selected from single and multi-cation-exchanged sulfonated or wet air oxidized cokes.

CLASS 206E.

136297.

METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE AND SEMICONDUCTOR DEVICE MANUFACTURED BY USING SAID METHOD.

N. V. PHILIPS' GLOEILAMPENFABRIEKEN, AT EMMASINGEL; EINDHOVEN, NETHERLANDS.

Application No. 1841/72 filed November 9, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

8 Claims

A method of manufacturing a semiconductor device comprising a semiconductor body having at least two surface zones of one conductivity type which extend in a region of the opposite conductivity type adjoining a surface of the semiconductor body, said surface zones including a source and drain zone of a field effect transistor having at least one insulated gate electrode, in which a masking pattern masking against oxidation is provided on the surface and in which in a later stage of the manufacture in which impurities to obtain the surface zones have already been provided in the semiconductor body, the semiconductor surface is locally subjected, to an oxidation treatment in apertures in the masking pattern to form an insulating oxide layer which is sunken in the semiconductor body at least over a part of its thickness and to cover at least part of at least one of the surface zones by said sunken oxide layer, characterized in that the oxide of a part of the sunken oxide layer present above said one surface zone is removed to over at least a part of the thickness of the said oxide layer, and a thinner insulating layer is obtained as that same place.

CLASS 83A.

136298.

APPARATUS FOR ANALYZING MILK PRODUCTION.

PETER STEPHEN GROCHOWICZ, OF 1311 18TH STREET NORTHWEST, PUYALLUP, WASHINGTON 98371, UNITED STATES OF AMERICA.

Application No. 168/72 filed May 10, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

An apparatus for analyzing the milk production of a plurality of cows being milked at a plurality of milk stations in a milk parlor, wherein an individual cow's milk production is collected in a respective transfer container, with the milk from several transfer containers being transferred to a bulk tank, said apparatus comprising:

(a) a plurality of milk analyzing units at respecting milking stations and operatively connected to a respective transfer container, each unit comprising:

(1) a butterfat sensing device operatively connected to its respective transfer container and arranged to provide a signal corresponding to butterfat content of milk in its respective container,

(2) a leukocyte sensing device operatively connected to its respective transfer container and arranged to provide a signal corresponding to leukocyte content of milk in its respective container, and

(3) a quantity sensing device operatively connected to its respective transfer container and arranged to provide a signal corresponding to quantity of milk in its respective container,

(b) cow identification means for the transfer stations into which an individual identification of a cow whose milk production is being collected can be entered,

(c) a master unit to receive informational inputs from said analyzing units and said cow identification means and to present an informational output including each cow's identification with corresponding butterfat, leukocyte content and quantity of each cow's milk production, and

(d) means to transmit signals from said analyzing units and cow identifying means to said master unit.

CLASS 27G+I & 86A-J-B+C+E.

136299.

METHOD OF CONSTRUCTING A FRAME FROM AN ANGLE SECTION AND THE FRAME SO MADE.

NATIONAL INSTITUTE OF DESIGN, OF PALDI, AHMEDABAD-7, INDIA.

Application No. 334/72 filed May 27, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

A method of constructing a supporting frame from an angle section member comprising a flange and a web which consists in forming a cut at the flange upto the junction of the flange with the web, bending the said member along the cut portion to the required angle such that a bend is developed at the web and the cut ends of the flange move apart and thereafter welding an insert between the said moved apart out ends of the flange repeating the same process so that from a single angle section member, a three or multiple sided frame can be formed.

CLASS 77D & 140B.

136300.

BLEACHING OF KHAKAN FAT.

HINDUSTAN LEVER LIMITED, AT HINDUSTAN LEVER HOUSE, 165-166 BACKBAY RECLAMATION, BOMBAY 20, MAHARASHTRA, INDIA.

Application No. 147/72 filed May 8, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims.

A process for bleaching khakan fat by subjecting the fat to at least 1 per cent concentrated sulphuric acid (when expressed as 100 per cent acid) v/wt. and at least 1 per cent hydrogen peroxide v/wt. (when expressed as 30 per cent wt. $H_2O_2=100$ vol. O) v/wt. and removing the sulphuric acid and hydrogen peroxide by water washing.

CLASS 148L.

136301.

IMPROVEMENTS IN OR RELATING TO A PROCESS FOR MAKING PHOTOCONDUCTIVE PLATES FOR ELECTROPHOTOGRAPHIC MACHINES.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

Application No. 245/72 filed May 18, 1972

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A process of making photoconductive plates by depositing photosensitive materials from their vapour phase on a substrate in vacuum as claimed in our prior Indian Patent No. 123640 wherein the substrate consists of a metal such as aluminium or zinc, the photosensitive material consists of a photoconductive material such as selenium or sulphur, the deposition is effected by exaporation from the liquid phase, of the photoconductive material under a pressure of 10^{-3} to 10^{-7} Torr in the vacuum chamber, during the deposition whereby the photoconductive plate for electrophotographic machine is obtained characterised in that a plurality of substrates is made to rotate in the vacuum chamber by mounting the substrates on a rotary substrate mount and rotating the mount by conventional methods such as motor with chain and sprockets arrangement or the like whereby a plurality of photoconductive plates is made in one operation of the vacuum coating unit.

CLASS 85Q.

136302.

IMPROVEMENTS IN OR RELATING TO ROTARY KILNS.

F. L. SMIDT & CO. A/S, OF 77 VIGERSLEV ALLE, DK-2500 COPENHAGEN VALBY, DENMARK.

Application No. 75/Cal/73 filed January 10, 1973.

Convention date January 17, 1972/(2138/72) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

9 Claims.

A planetary cooler comprising an array of cylindrical cooler tubes mounted or arranged to be mounted at the outlet end of a rotary kiln with the axis of the tubes substantially parallel to the axis of the kiln, the inlet end of each cooler tube being or being arranged to be connected directly or indirectly to an outlet of the rotary kiln, each cooler tube being equipped with lifting trough-shaped conveyor flights extending helically along the inner wall of the tube to its outlet end, and the upstream ends of the conveyor flights being axially spaced from the inlet ends of the corresponding tubes by a distance equal to at least twice the diameter of the tube.

CLASS 69M.

136303.

ELECTRIC SWITCHES.

JOSEPH LUCAS (INDUSTRIES) LIMITED, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Application No. 344/72 filed May 29, 1972.

Convention date June 12, 1971/(27664/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An electric switch comprising a body, a contact assembly within the body and comprising a contact carrier and at least two contact elements mounted on the carrier, first and second terminals mounted in the body, and adapted to provide respective pivot points for the contact assembly, third and fourth terminals mounted in the body and respectively associated with the first and second terminals, and a switch actuating mechanism co-acting with the carrier, said actuating mechanism being movable in one direction to pivot the contact assembly about the first terminal so that one of the contact elements interconnects said first and third terminals, and in the other direction to pivot the contact assembly about the second terminal so that the other contact element interconnects said second and fourth terminals.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by the Cementation Company Ltd. to the grant of a patent on application No. 135283 made by Director, Maharashtra Research Engineering Institute.

(2)

Application for patent No. 67500 made by American Cyanamid Company in respect of which an opposition was entered by Chas. Pfizer & Co. Inc. as notified in the Gazette of India, Part III, Section 2, dated the 24th December, 1960 is treated as abandoned.

(3)

Application for patent No. 68292 made by American Cyanamid Company in respect of which an opposition was entered by Chas. Pfizer & Co. Inc. as notified in the Gazette of India, Part III, Section 2, dated the 24th June, 1961 is treated as abandoned.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted Specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8 Hastings Street, Calcutta, at Two Rupees per copy :—

(1)

120522 121513 121929 121946 122053 122070 123027 123139
123233 123350 123414 123486 123535 123539 123710 124126
124135 124291 124750 124826 124868 125085 125333 125552
126093 126216 126240 126531 126639 126768

(2)

122951 124075 124102 124120 124245 124303 124947 125718
126234 126812 126908 127159 127458

(3)

122920 124288 124290 124413 124488 125298 125302 125420
125702 125722 125765 125854 125884 125953 125980 126315
126448 127149 127362 127407 127527 127626 127948 128365
128373 128536 128772

(4)

121779 125179 125418 125696 125734 125804 125984 126260
126319 126426 126467 126627 126660 126966 127163 127257
128232 128990 129615 130774

(5)

124812 125447 125531 125555 125589 125600 125639 125778
125798 125848 126316 126925 126930 126976 127085 127100
127242 127305 127704 128388 128831 128837 128982 129369
129634 130016 130051 130208 130551 133492

(6)

131348 131380 132003 132264 132382 132422 133065 133856
133881 134044 134231 134466 134497 134778 135039 135230
135403 135404

PATENTS SEALED

80416 81433 91166 96843 103260 104132 110322 119768
125352 125773 129416 129753 130526 130827 130959 131011
131460 131944 132166 132328 132529 132591 132781 133102
13328 133173 133284 133339 133386 133428 133820 133861
133959 134003 134043 134105 134111 134118 134130 134149
134160 134401 134413 134587 135189 135476 135570 135572
135574 135575 135577 135611 135617 135622 135623.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

(1)

The claim made by Hemant Patel & Co. under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 130278 in the name has been allowed.

(2)

The claim made by Hemant Patel & Co. under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 135373 in their name has been allowed.

(3)

The claim made by Hemant Patel & Co. under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 135412 in their name has been allowed.

(4)

The claim made by Hemant Patel & Co. under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 135413 in their name has been allowed.

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

The amendments proposed by Merck & Co., Inc., in respect of patent No. 75647 as advertised in Part III, Section 2 of the Gazette of India dated the 29th June 1974 have been allowed.

(2)

The amendments proposed by Rhone-Poulenc S.A. in respect of patent No. 126397 as advertised in Part III, Section 2 of the Gazette of India dated the 29th June 1974 have been allowed.

(3)

The amendments proposed by Fried Krupp G.M.B.H. in respect of patent application No. 127250 as advertised in Part III, Section 2 of the Gazette of India dated the 29th June 1974 have been allowed.

(4)

The amendments proposed by Bayer Aktiengesellschaft in respect of patent application No. 127558 as advertised in Part III, Section 2 of the Gazette of India dated the 29th June 1974 have been allowed.

(5)

The amendments proposed by Westinghouse Electric Corporation in respect of patent application No. 129545 as advertised in Part III, Section 2 of the Gazette of India dated the 29th June 1974 have been allowed.

(6)

The amendments proposed by The Firestone Tire & Rubber Company in respect of patent application No. 132305 as advertised in Part III, Section 2 of the Gazette of India dated the 29th June 1974 have been allowed.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.

Title of the invention

121976 (24-6-69) Polymers of α -olefins, process for their preparation and moulded articles prepared therewith.

122722 (12-8-69) Water-soluble anthraquinone dyestuffs, process for preparing them, method of dyeing printing or colouring leather or textile materials using said dyestuffs and the materials so dyed or coloured or printed.

123520 (10-10-69) Method for the elimination from gas mixtures of the impurities contained therein.

123569 (14-10-69) Mixed herbicide composition.

123572 (14-10-69) Improvements in or relating to purification of gaseous mixtures.

123645 (21-10-69) Improvements in or relating to the electrolytic reduction of salicylic acid to salicylaldehyde.

123665 (22-10-69) Method of rendering corn-seed resistant to pre-emergence herbicides.

123827 (31-10-69) Process for the preparation of tricyclohexyltin halides.

130498 (23-12-68) Manufacture of bipyridylum salts.

130499 (19-6-69) Manufacture of bipyridylum salts.

RENEWAL FEES PAID

69600 69638 69670 69738 69802 69874 70185 70186 73469
73512 73695 73961 74219 74285 74291 74485 74708 75877
75878 78965 79077 79098 79160 79275 79319 79338 79430
79505 79542 84521 84574 84595 84826 84888 84893 85020
85095 85169 85341 85365 86077 90230 90234 90283 90625
90685 90768 90835 90855 90870 90977 91077 91373 94378
95660 95725 95906 96005 96011 96121 96162 96184 96273
96296 96303 96408 96424 96510 96512 96536 96589 96620
96621 96712 97010 97100 97152 100202 101377 101975
102174 102237 102260 102288 102335 102409 102425 102629
102645 102680 102683 102709 103039 107383 107406 107481
107683 107710 107734 107817 107850 107943 107944 107973
107996 108049 108050 108068 108099 108100 108138 108144
108175 108214 108310 108420 108485 108582 108608 108812
109451 109832 110685 112494 112671 112688 112689 112690
112698 112731 112774 112775 112788 112819 112926 112937
112985 113008 113072 113204 113241 113252 113256 113330
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118126 118170 118183 118290 118445 118454 118456 118463
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132075 132123 132159 132180 132270 132279 132296 132324
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134644 134668 134823 134989 135018 135169 135238 135329
135385 135406 135409 135410 135419 135434 135443 135447
135470 135568

CESSATION OF PATENTS

119260 119264 119286 119301 119313 119319 119326 119329
119333 119351 119352 119369 119373 119378 119401 119413
119457 119499 119519 119521 119541 119552 119593 119594
119626 119648 119650 119664 119672 119695 119705 119750
119756 119763 119779 119798 119806 119817 119818 119879
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121633 121639 121672 121687 121696 121697 121703 121725
121727 121745 121750 121780 121788 121792 121958 128010
128728

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 110643 granted to Suresh Chandra Gupta and another and subsequently assigned to the President of India for an invention relating to "additive agents for improving the performance of low grade massacutes in sugar factories and method of purifying sugar using them". The Patent ceased on the 15th May, 1973 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 22nd September, 1973.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 9th January, 1975 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest in the facts upon which he bases his case and the relief he seeks shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application for restoration of Patent No. 124346 dated the 8th December 1969 made by Danfoss A/S on the 27th April 1974 and notified in the Gazette of India, Part III, Section 2 dated the 22nd June 1974 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 129396 dated the 26th November, 1970 made by Danfoss A/S on the 14th May, 1974 and notified in the Gazette of India, Part III Section 2 dated the 8th June, 1974 has been allowed and the said patent restored.

(4)

Notice is hereby given that an application for restoration of Patent No. 129398 dated the 26th November, 1970 made by Danfoss A/S on the 24th December, 1973 and notified in the Gazette of India, Part III, Section 2, dated the 8th June, 1974 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 141799. Moti Plastics & Estates (P) Ltd., at F-41 Kirti Nagar, New Delhi-15, an Indian Company, "Electric Tandoor", April 2, 1974.

Class 1. No. 141845. Om Prakash, 5620-Basant Road, Pahar Gani, New Delhi. An Indian National, "Leg Shoe", April 19, 1974.

Class 1. No. 141895. Nagina Singh, Santosh Singh, Hari Singh, Kawal Jeet Kaur and Charan Jeet Kaur, 84, Gandhi Gram, Kanpur 7, U.P., Indian subjects, "Locks", May 21, 1974.

Class 3. No. 141726. Ashok Traders, 129/C, Govt. Industrial Estate, Charkop, Kandivli (West), Bombay-67, Maharashtra State. An Indian Proprietary Firm, "Container", March 6, 1974.

Class 3. No. 141727. Ashok Traders, 129/C, Govt. Industrial Estate, Charkop, Kandivli (West), Bombay-67, Maharashtra State, India, An Indian Proprietary Firm, "Cap for feeding bottle", March 6, 1974.

Class 3. No. 141866. Peak Plastics, of Metro Estate, C.S.T. Road, Kalina, Bombay-29, Maharashtra State, India. An Indian Partnership Firm, "Telephone Index", May 2, 1974.

Class 3. No. 141902. Lal Mohan Pal, 175/4 Shibpur Road, Howrah-2, West Bengal, Nationality Indian, "Clip", May 27, 1974.

Class 3. No. 141993. Arora Plastics Private Limited, A private limited company incorporated under the Indian Companies Act, 20, 1st floor, Prabhadevi Industrial Estate, Veer Savarkar Marg, Bombay-400025, Maharashtra State, India. "Soap Stand", July 2, 1974.

Class 3. No. 142023. Colgate-Palmolive Company, a corporation organized and existing under the laws of the State of Delaware, United States of America, of 300 Park Avenue, New York, New York-10022, United States of America, "Captive Cap", July 8, 1974.

Class 3. No. 142029. Dunlop Limited, a British Company, of Dunlop House, Ryder Street, St. James's London S. W. 1, England, "Tyre for a vehicle wheel", January 22, 1974, (U.K.).

Class 3. No. 142030. Kanuprio Paul, An Indian National, 24, Sushila Sadan, Manchobhai Road, Malad (East), Bombay-400062, Maharashtra State, India, "Penstand-cum-Paper Slip Box", July 15, 1974.

Class 3. No. 142031. Kanuprio Paul, An Indian National, 24, Sushila Sadan, Manchobhai Road, Malad (East), Bombay-400062, Maharashtra State, India. "Ball Pen", July 15, 1974.

Class 3. No. 142044. Dunlop Limited, A British Company, of Dunlop House, Ryder Street, St. James's,

London S. W. 1, England, "Tyre for a vehicle wheel", January 23, 1974, (U.K.).

Class 3. No. 142078. U. K. Industries. (An Indian Partnership Firm), Unit No. 112, Champaklal Industrial Estate, Sion (East), Bombay-22, Maharashtra, "Torch", July 22, 1974.

Class 3. No. 142103. Arora Plastics Private Limited, (a private limited company incorporated under the Indian Companies Act), 20, 1st floor, Prabhadevi Industrial Estate, Veer Savarkar Marg, Bombay-400025, Maharashtra, India, "Penstand", July 27, 1974.

Class 3. No. 142104. Arora Plastics Private Limited (a private limited company incorporated under the Indian Companies Act), 20, 1st floor, Prabhadevi Industrial Estate, Veer Savarkar Marg, Bombay-400025, Maharashtra, India, "Powder Box", July 27, 1974.

Class 3. No. 142108. Harbans Lal Malhotra & Sons Pvt. Ltd., 12, New C.I.T. Road, Calcutta-700012, State of West Bengal, India, a Company incorporated in India, "Dispenser", July 31, 1974.

Class 12. No. 141889. Anand Biscuit Co., 84/90 Anwarganj Station Road, Kanpur (U.P.), (Indian Partnership concern), "Biscuit", May 21, 1974.

COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS.

Design Nos. 136098, 136185, 136186, 136187, 136188, 136190, 136275, Class—3.

Design Nos. 136192, 136193, 136194, 136195, 136196, 136274, Class—4.

S. VEDARAMAN

Controller-General of Patents, Designs
and Trade Marks.